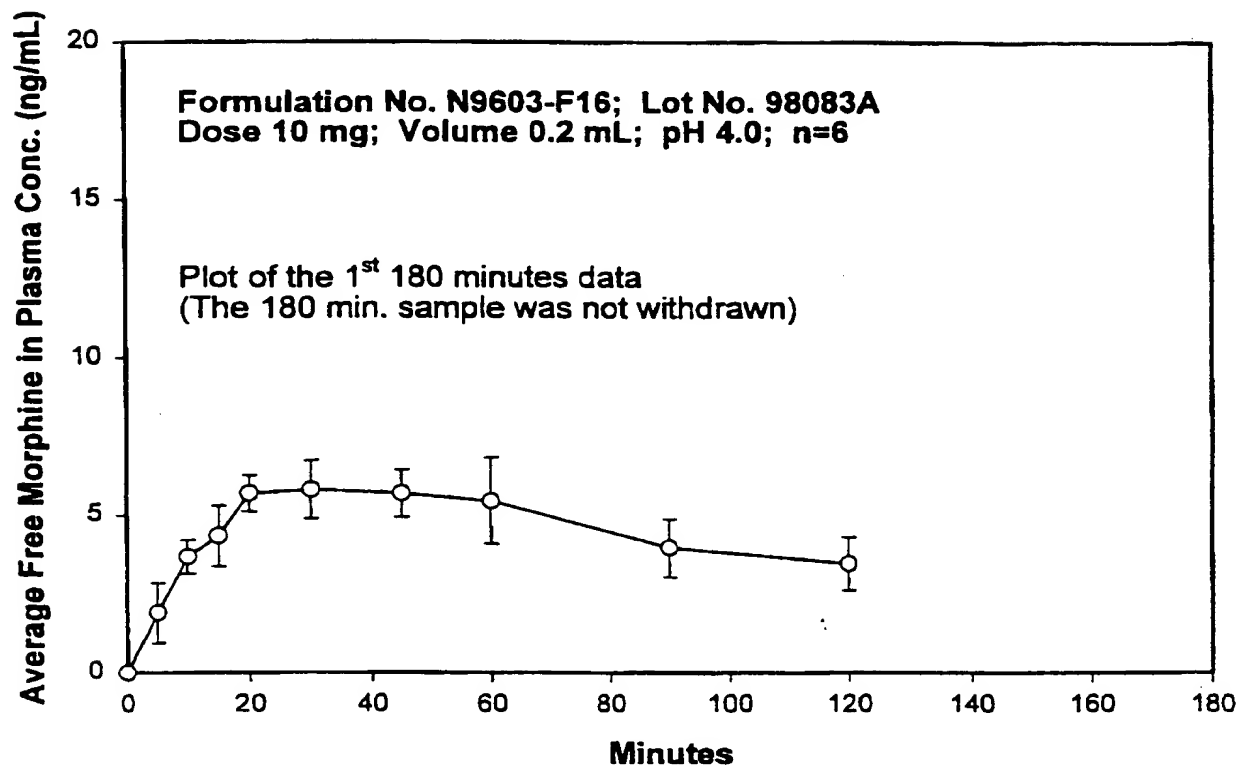
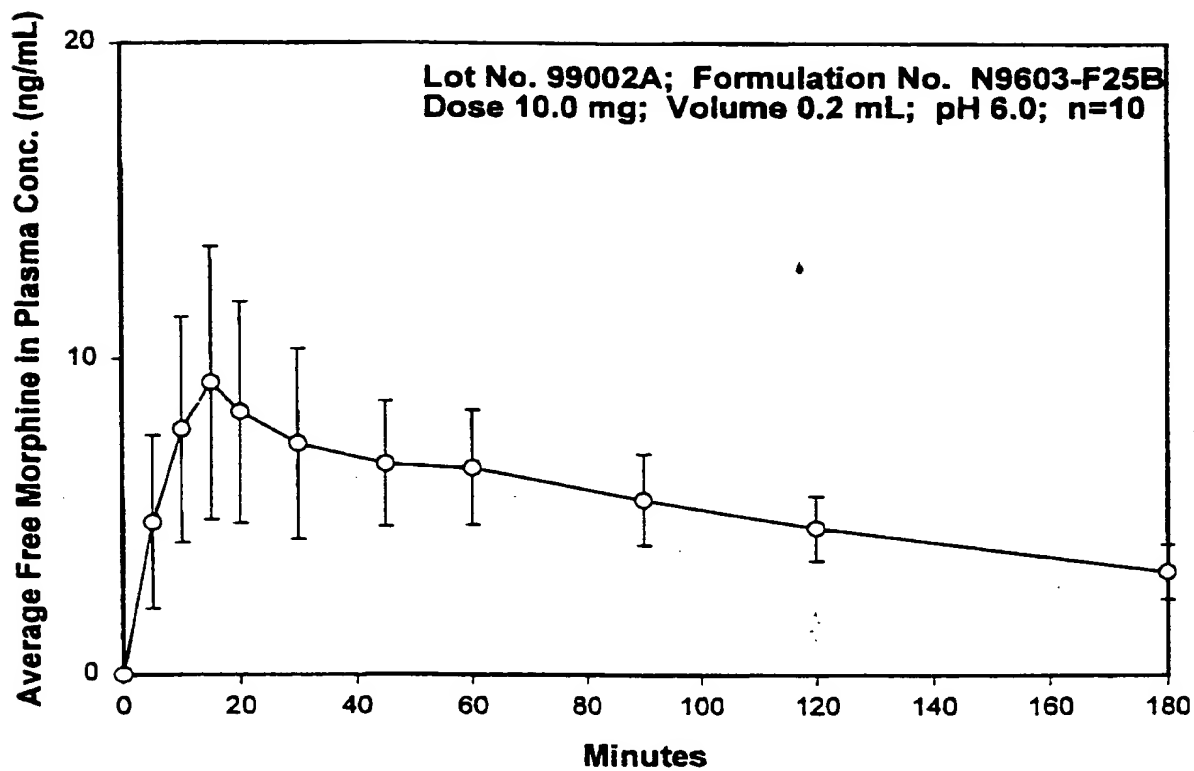


• Citrate Buffer; pH 4.0



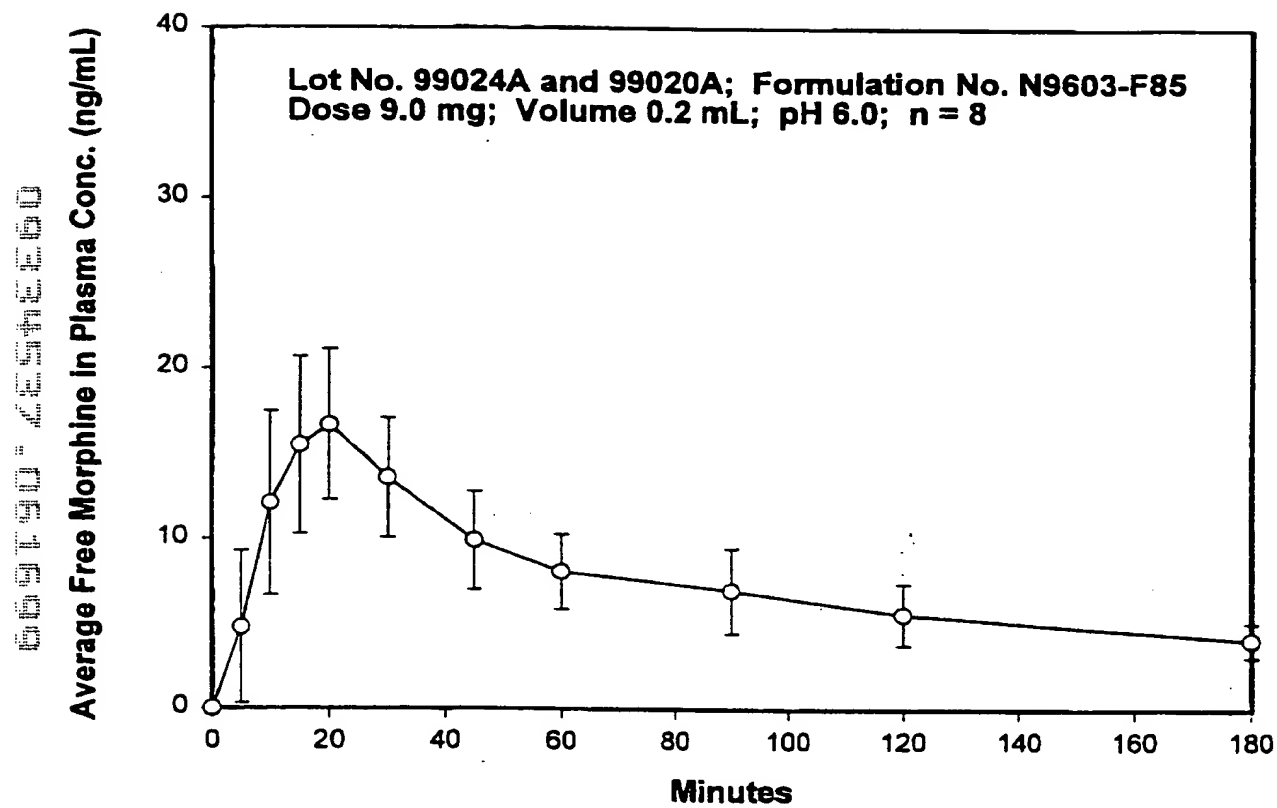
**Figure 1:** Plots of Average Free Morphine Plasma Conc. vs. Time for Morphine Sulfate Nasal Sprav. Lot No. 98083A.

• Citrate Buffer



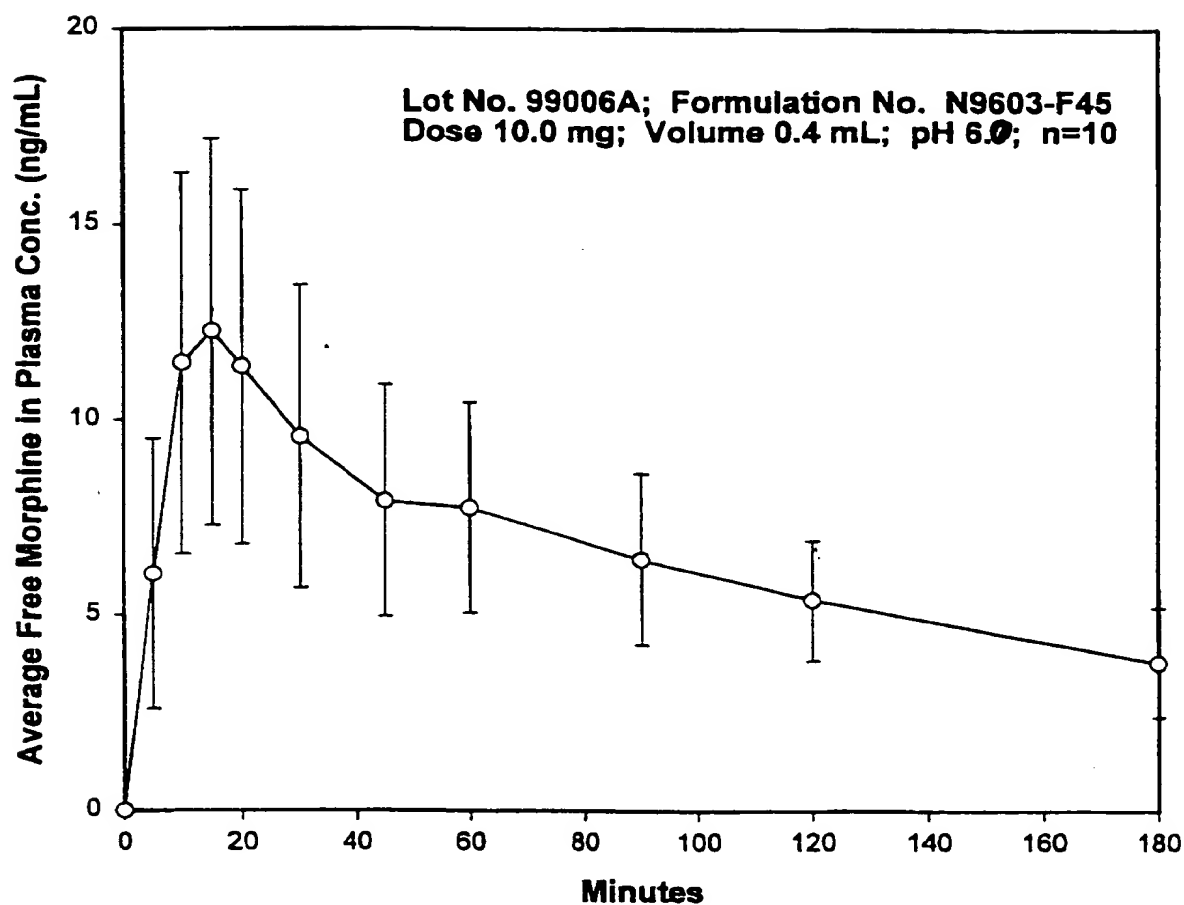
**Figure 2:** Plots of Average Free Morphine Plasma Conc. vs. Time for Morphine Sulfate Nasal Spray, Lot No. 99002A.

• Tween 20 (5.0%)



**Figure 3:** Plots of Average Free Morphine Plasma Conc. vs. Time for Morphine Sulfate Nasal Sprav. Lot No. 99024A and 99020A.

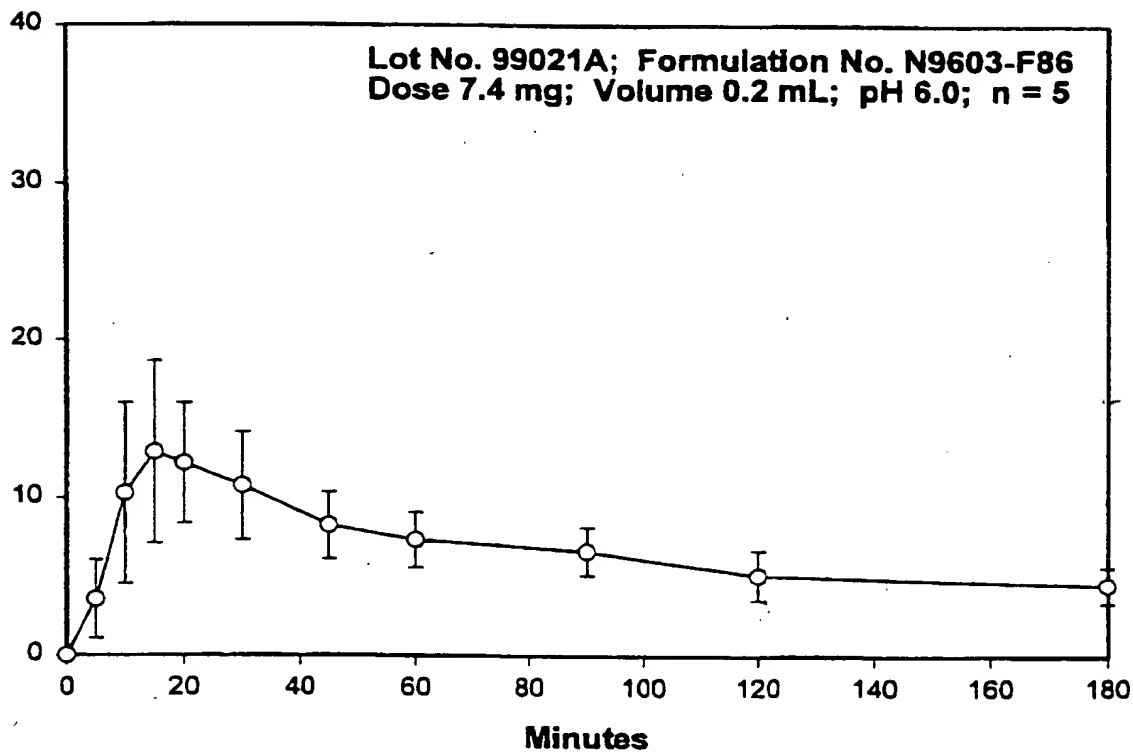
• Salicylate (1.0 %)



**Figure 4:** Plots of Average Free Morphine Plasma Conc. vs. Time for Morphine Sulfate Nasal Spray, Lot No. 99006A.

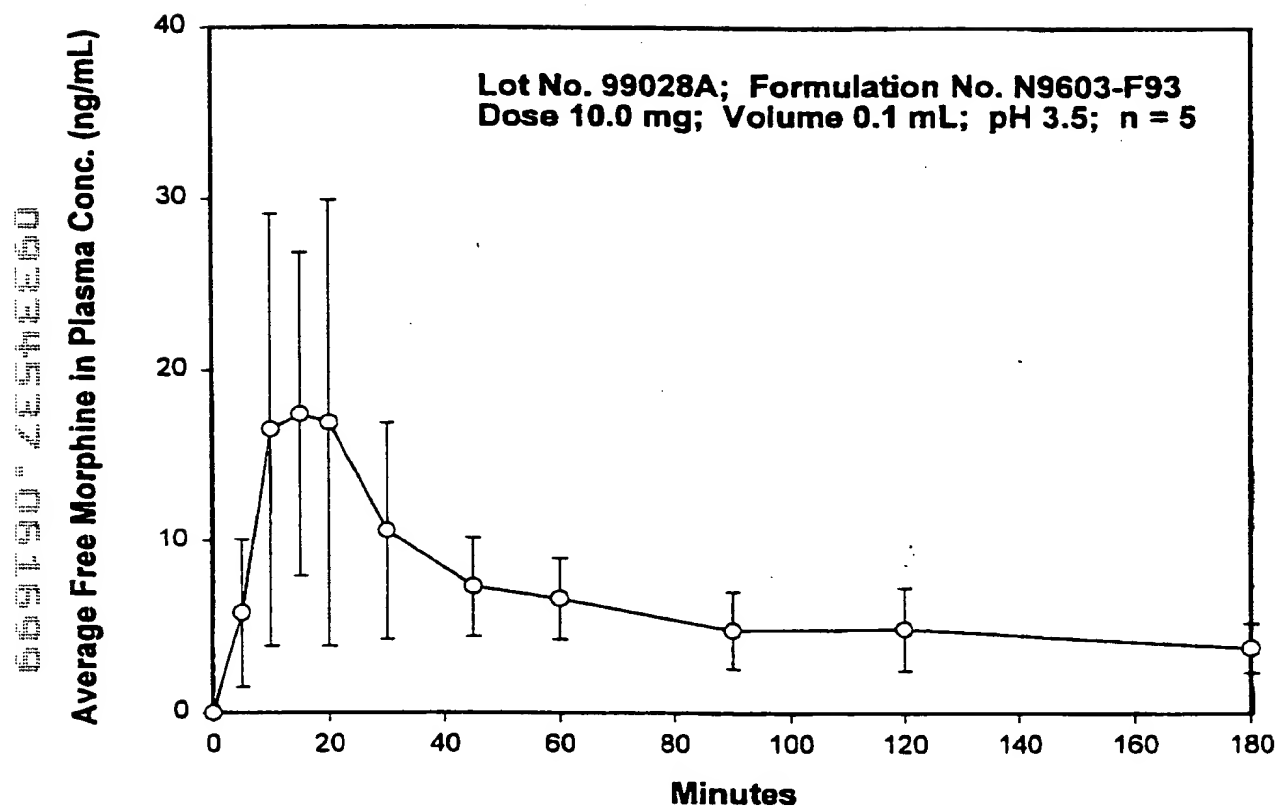
- Myrj (~10%)
- Tween 20 (5%)

Average Free Morphine in Plasma C nc. (ng/mL)



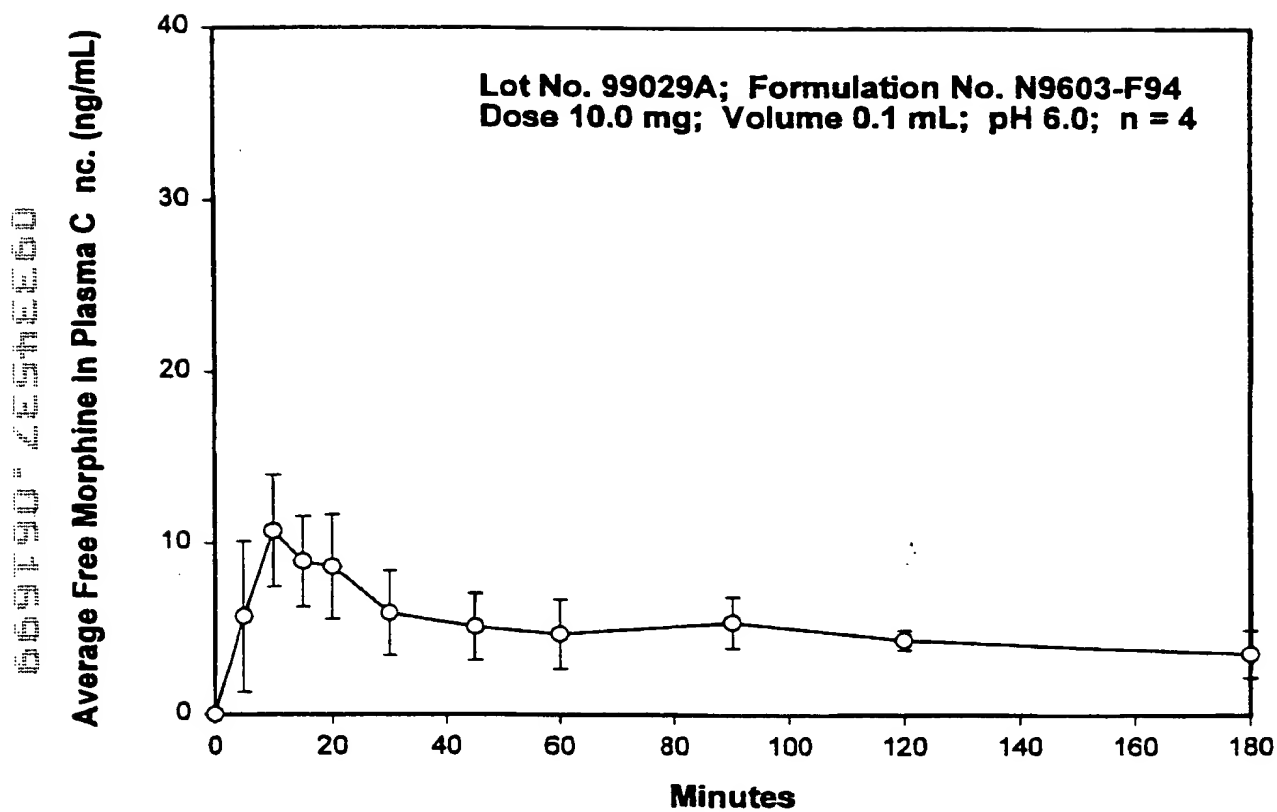
**Figure 5:** Plots of Average Free Morphine Plasma Conc. vs. Time for Morphine Sulfate Nasal Sprav. Lot No. 99021A.

- GMO (5%) pH 3.5
- Tween 20 (5%)



**Figure 6:** Plots of Average Free Morphine Plasma Conc. vs. Time for Morphine Sulfate Nasal Spray, Lot No. 99028A.

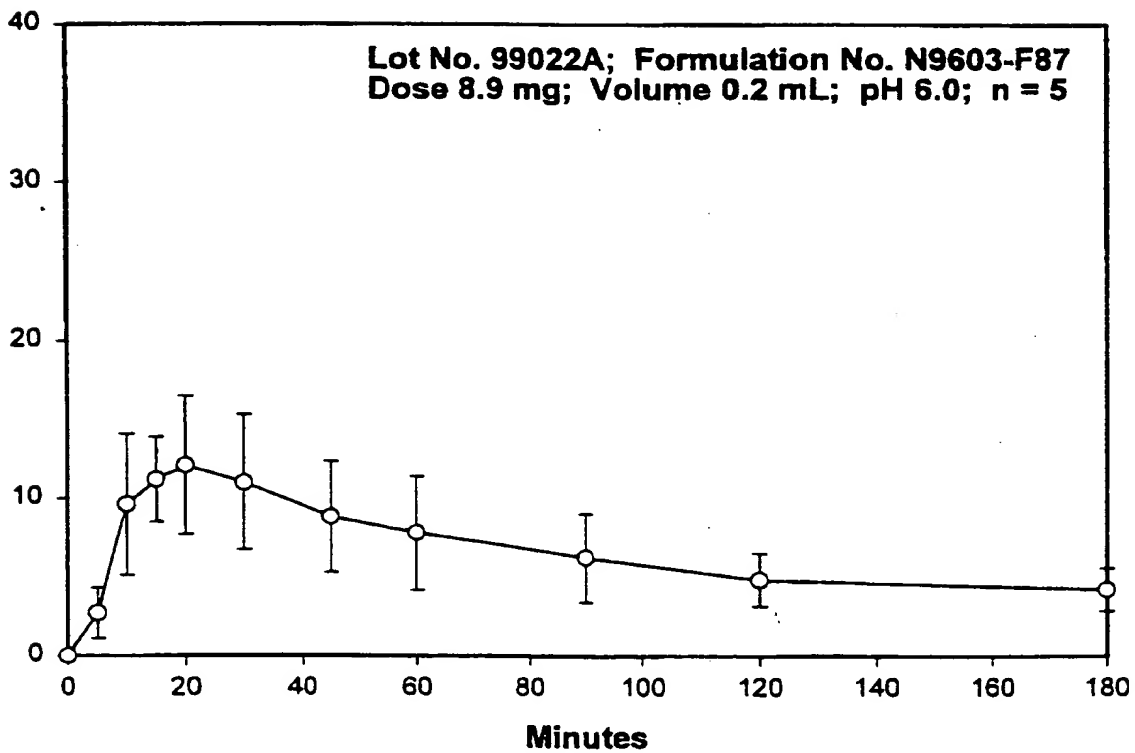
- GMO (5%) pH 6.0
- Tween 20 (5%)



**Figure 7:** Plots of Average Free Morphine Plasma Conc. vs. Time for Morphine Sulfate Nasal Spray, Lot No. 99029A.

- Lecithin (1%)
- Tween 20 (5%)

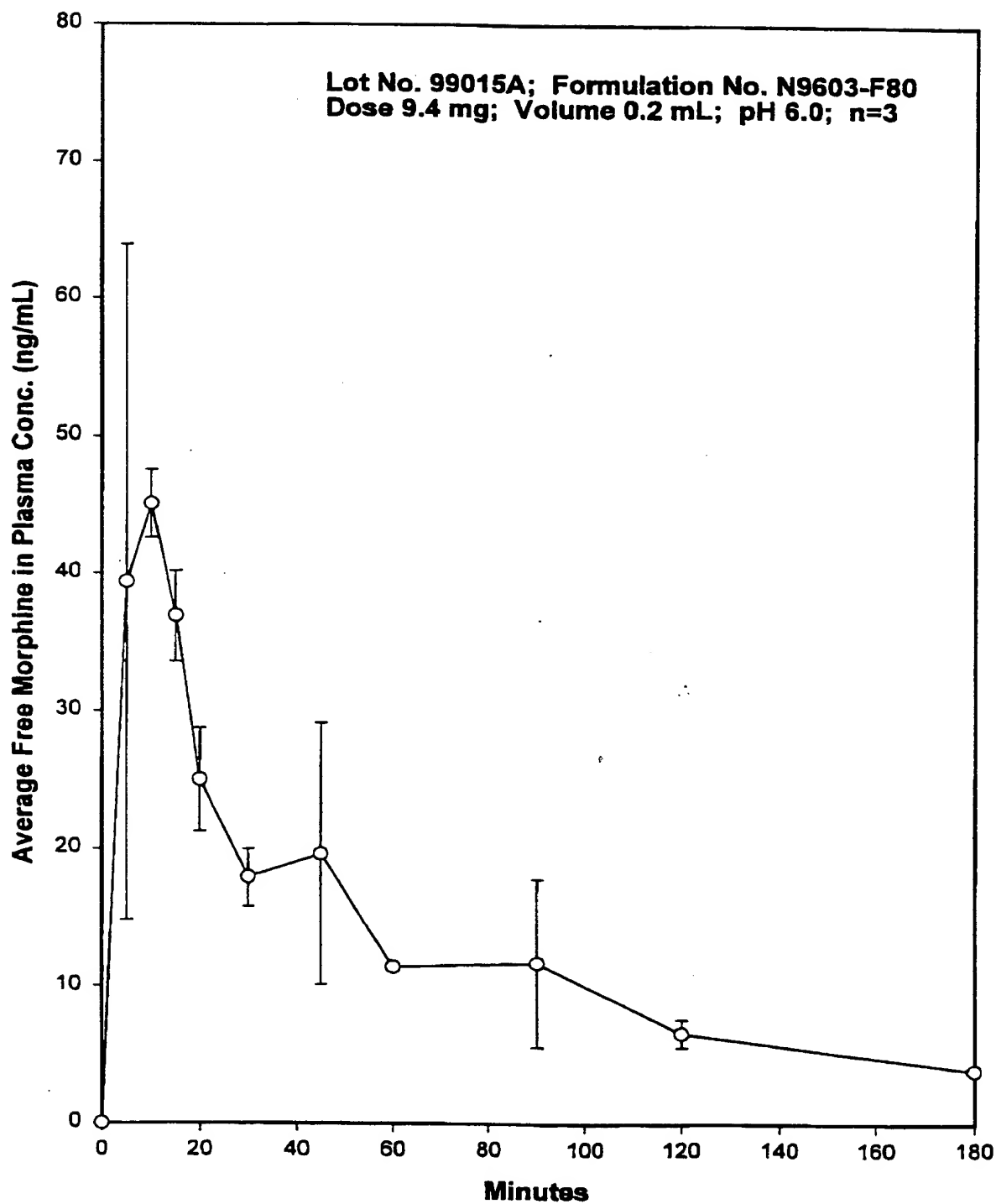
Average Free Morphine in Plasma Conc. (ng/mL)



**Figure 8:** Plots of Average Free Morphine Plasma Conc. vs. Time for Morphine Sulfate Nasal Spray, Lot No. 99022A.

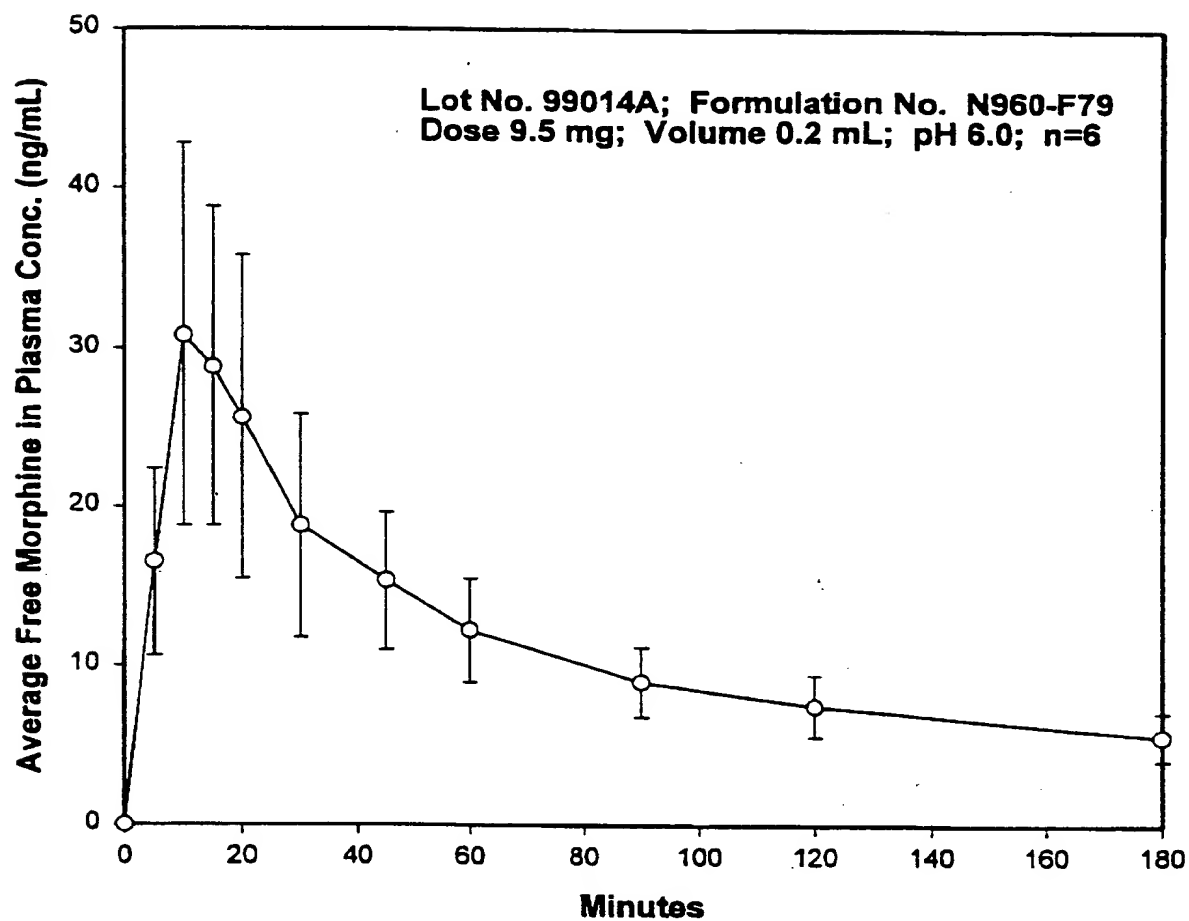


- SLS (1%)
- Tween 20 (5%)



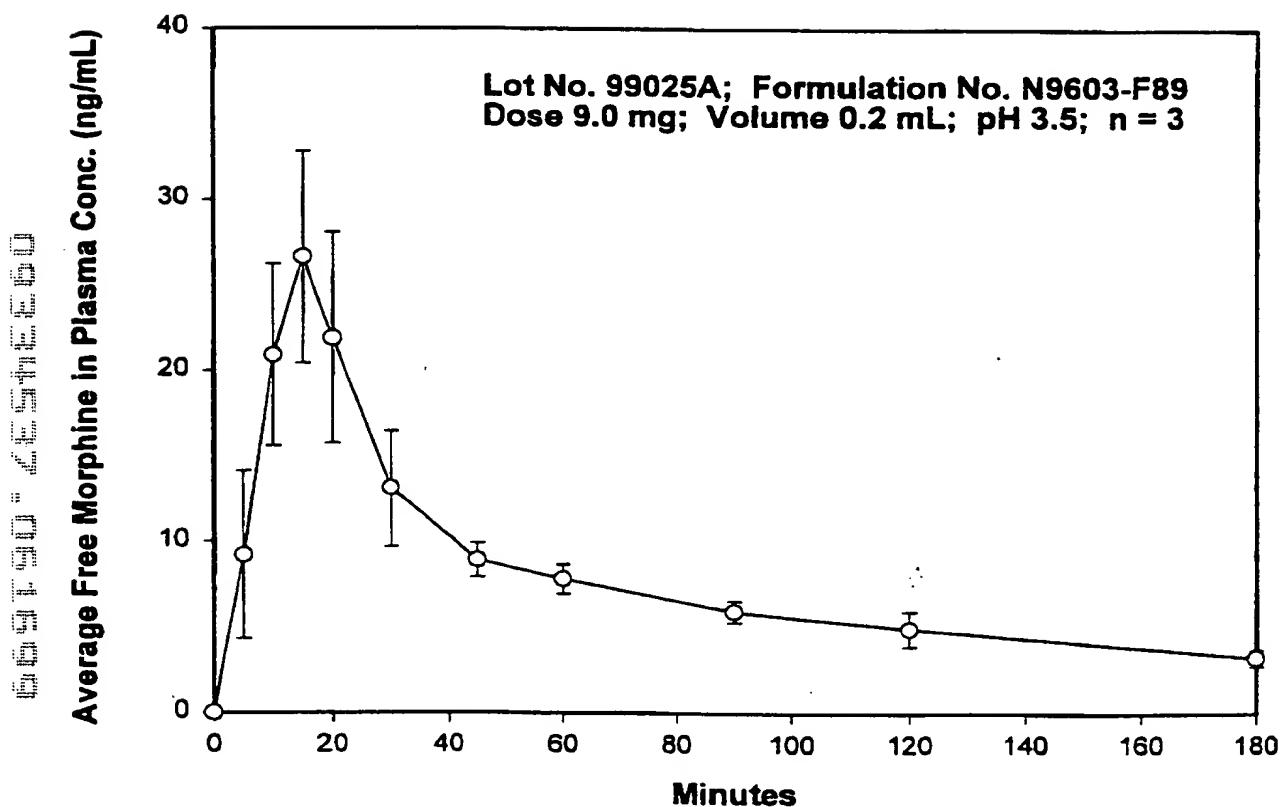
**Figure 9:** Plots of Average Free Morphine Plasma Conc. vs. Time for Morphine Sulfate Nasal Spray, Lot No. 99015A.

- Oleic Acid (0.25%)
- Tween 20 (5%)



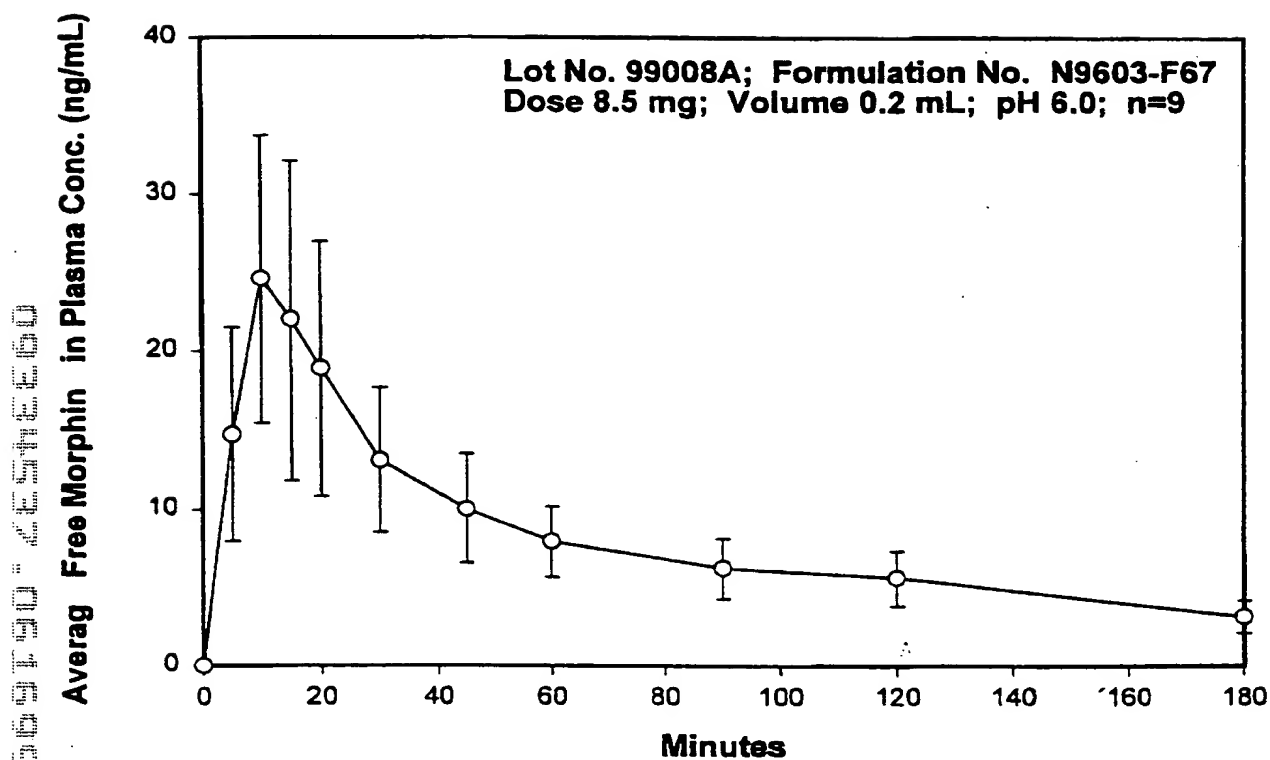
**Figure 10:** Plots of Average Free Morphine Plasma Conc. vs. Time for Morphine Sulfate Nasal Spray, Lot No. 99014A.

- Oleic Acid (0.25%) pH 3.5
- Tween 20 (5%)



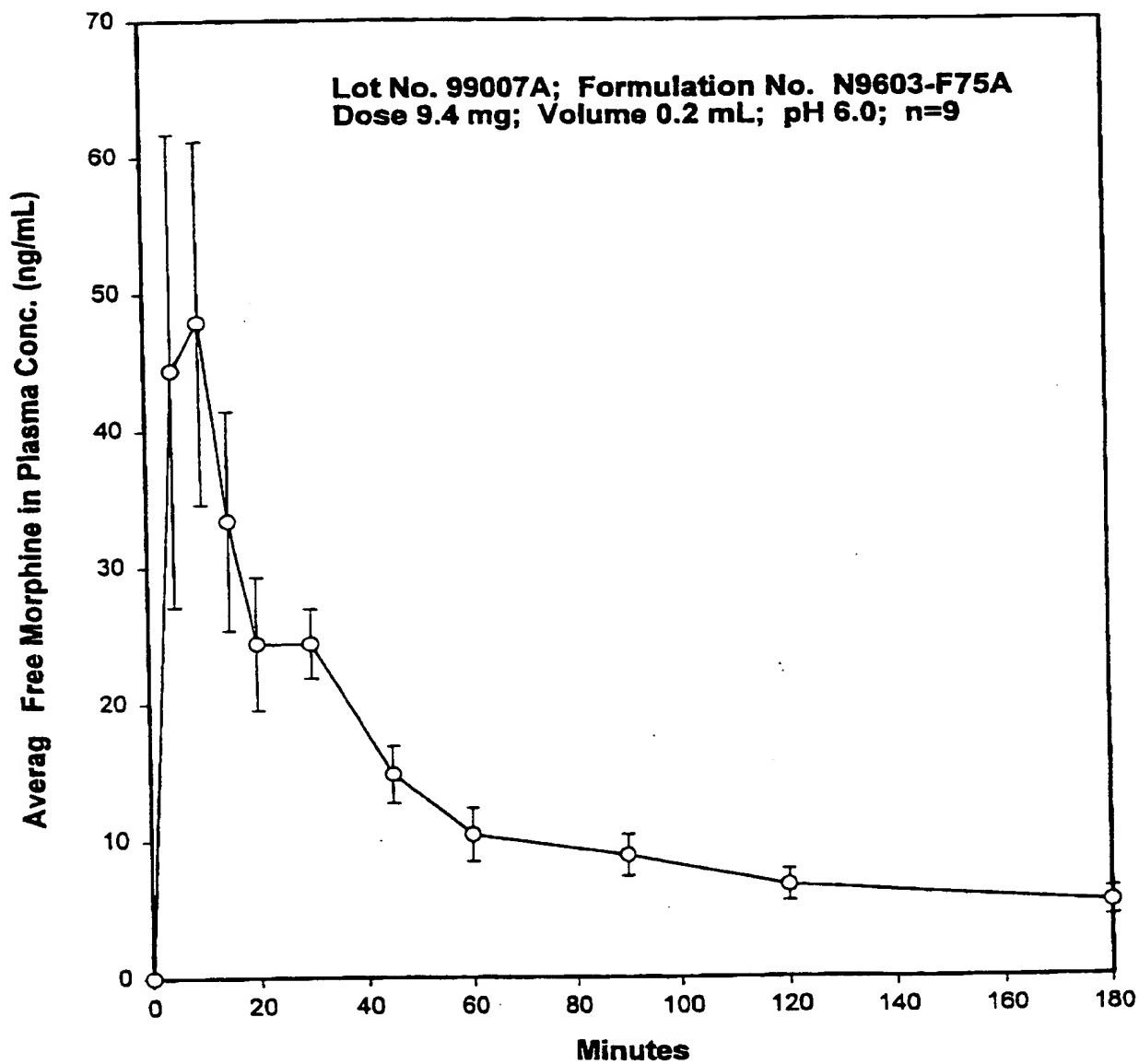
**Figure 11: Plots of Average Free Morphine Plasma Conc. vs. Time for Morphine Sulfate Nasal Spray, Lot No. 99025A.**

- Salicylate (0.5%)
- SLS (0.5%)
- Tween 20 (5%)



**Figure 12:** Plots of Average Free Morphine Plasma Conc. vs. Time for Morphine Sulfate Nasal Spray, Lot No. 99008A.

- SLS (1%)
- Oleic Acid (0.5%)
- Tween 20 (5%)



**Figure 13:** Plots of Average Free Morphine Plasma Conc. vs. Time for Morphine Sulfate Nasal Spray, Lot No. 99007A.